

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 2    | "6757701".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/25 16:18 |
| L2    | 1    | 1 and receiv\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/25 16:20 |
| L3    | 1    | 1 and receiv\$4 same decod\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/25 16:22 |
| L4    | 0    | 3 and normal\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/25 16:22 |
| L5    | 0    | 3 and unnormal\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/25 16:23 |
| L6    | 1    | 3 and first  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/25 16:23 |
| L7    | 1    | 6 and second   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/25 16:23 |
| L8    | 1    | 7 and third  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/25 16:23 |
| L9    | 7    | ("20030053566"   "4748577"  <br>"5801974"   "5933462"   "5935200"  <br>"5951629").PN. OR ("6757701").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/06/25 16:29 |
| L10   | 4    | 9 and decod\$4   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR               | ON      | 2006/06/25 16:29 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L11 | 0    | 10 and unnormaliz\$4  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:33 |
| L12 | 0    | 9 and unnormaliz\$4   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:30 |
| L13 | 65   | (PAN near2 JU near4 YAN or<br>KATSURAGAWA near4 HIROSHI )         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/25 16:32 |
| L14 | 2    | 13 and unnormaliz\$4  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:33 |
| L15 | 0    | unnormaliz\$4 same (second and third)<br>same decoding adj signal | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:39 |
| L16 | 0    | unnormaliz\$4 same (second and third)<br>same decod\$4 adj signal | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:40 |
| L17 | 0    | unnormaliz\$4 same decod\$4 adj signal                            | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:35 |
| L18 | 1292 | (second and third) same decod\$4 adj<br>signal                    | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:36 |
| L19 | 1    | 18 and (unnormaliz\$4)  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:37 |
| L20 | 82   | 18 and (normaliz\$4)  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:37 |
| L21 | 32   | 18 and (normaliz\$4) same decod\$4<br>same signal                 | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:37 |
| L22 | 3    | 21 and "714"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:38 |
| L23 | 0    | unnormalis\$4 same (second and third)<br>same decoding adj signal | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:39 |
| L24 | 0    | unnormali\$4 same (second and third)<br>same decod\$4 adj signal  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:40 |
| L25 | 0    | unnormali\$ same (second and third)<br>same decod\$4 adj signal   | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2006/06/25 16:40 |

## EAST Search History

|     |     |   |                              |     |    |                  |
|-----|-----|---|------------------------------|-----|----|------------------|
| L26 | 7   | normali\$ same (second and third)<br>same decod\$4 adj signal     | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON | 2006/06/25 17:03 |
| L27 | 12  | (Map algorithm).ti.   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:04 |
| L28 | 1   | 27 and (first and second and third)<br>same decod\$4 near4 signal | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:04 |
| L29 | 4   | 27 and decod\$4 near4 signal                                      | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:07 |
| L30 | 9   | unnormali\$5 same (decod\$4 near4<br>signal)                      | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:27 |
| L31 | 536 | normali\$5 same (decod\$4 near4<br>signal)                        | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:28 |
| L32 | 4   | non-normali\$5 same (decod\$4 near4<br>signal)                    | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:34 |
| L33 | 1   | non-normali\$5 same (decod\$4) same<br>signal same likelihood     | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:35 |
| L34 | 1   | non-normali\$5 same (decod\$4) same<br>signal same algorithm      | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:35 |
| L35 | 0   | non-normali\$5 same (decod\$4) same<br>signa                      | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:35 |
| L36 | 8   | non-normali\$5 same (decod\$4) same<br>signal                     | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:49 |
| L37 | 6   | non-normalized same (decod\$4) same<br>signal                     | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:50 |
| L38 | 6   | non-normalised same (decod\$4) same<br>signal                     | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:50 |
| L39 | 917 | normalised same (decod\$4) same<br>signal                         | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:51 |
| L40 | 29  | 39 and MAP same algorithm   | US-PGPUB;<br>USPAT;<br>USOCR | AND | ON | 2006/06/25 17:51 |